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10/608,571	06/27/2003	Edwin Bolduan	2001P1203WOUS	7324
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Please find below and/or attached an Office communication concerning this application or proceeding.

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		$\mathcal{H}_{\mathbf{I}}$						
	Application No.	Applicant(s)						
	10/608,571	BOLDUAN ET AL.						
Office Action Summary	Examiner	Art Unit						
	Jiping Lu	3749	·					
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the o	orrespondence address -	-					
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DATE of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication.  If NO period for reply is specified above, the maximum statutory period value of the provision of the	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tir vill apply and will expire SIX (6) MONTHS from , cause the application to become ABANDONE	N. nely filed the mailing date of this communica (D) (35 U.S.C. § 133).						
Status			÷					
1) Responsive to communication(s) filed on 10 O	<u>ctober 2006</u> .							
2a) This action is <b>FINAL</b> 2b) ⊠ This								
3) Since this application is in condition for allowar	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is							
closed in accordance with the practice under E	x parte Quayle, 1935 C.D. 11, 4	53 O.G. 213.						
Disposition of Claims								
4) Claim(s) 1-16 is/are pending in the application.								
4a) Of the above claim(s) is/are withdrawn from consideration.								
5) Claim(s) is/are allowed.								
6)⊠ Claim(s) <u>1-16</u> is/are rejected.	6)⊠ Claim(s) <u>1-16</u> is/are rejected.							
7) Claim(s) is/are objected to.								
8) Claim(s) are subject to restriction and/o	r election requirement.							
Application Papers								
9) The specification is objected to by the Examine	r.							
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.								
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).								
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).								
11)☐ The oath or declaration is objected to by the Ex	aminer. Note the attached Office	Action or form PTO-152						
Priority under 35 U.S.C. § 119								
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of:  1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the priority application from the International Bureau * See the attached detailed Office action for a list	s have been received. s have been received in Applicat rity documents have been receive u (PCT Rule 17.2(a)).	ion No ed in this National Stage						
Attachment(s)  1) X Notice of References Cited (PTO-892)	4) Interview Summary	(PTO-413)						
2) DNotice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail D	ate						
Information Disclosure Statement(s) (PTO/SB/08)     Paper No(s)/Mail Date	5) Notice of Informal F 6) Other:	Patent Application						
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**DETAILED ACTION** 

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1. In view of the appeal brief filed on 10/10/2006, PROSECUTION IS HEREBY

REOPENED. New grounds of rejections set forth below.

To avoid abandonment of the application, appellant must exercise one of the following

two options:

(1) file a reply under 37 CFR 1.111 (if this Office action is non-final) or a reply under 37

CFR 1.113 (if this Office action is final); or,

(2) initiate a new appeal by filing a notice of appeal under 37 CFR 41.31 followed by an

appeal brief under 37 CFR 41.37. The previously paid notice of appeal fee and appeal brief fee

can be applied to the new appeal. If, however, the appeal fees set forth in 37 CFR 41.20 have

been increased since they were previously paid, then appellant must pay the difference between

the increased fees and the amount previously paid.

A Supervisory Patent Examiner (SPE) has approved of reopening prosecution by signing

below:

Josiah Cocks

Activa SPE

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## Claim Rejections - 35 USC § 103

2. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

3. Claims 1-7, 10, 12, 14-15 are rejected under 35 U.S.C. 103(a) as being unpatentable over Tung et al. (U. S. Pat. 5,953,938) in view of Bronander (U. S. Pat. 1,773,167).

Tung et al. shows a method and a configuration for cloth dewatering. The clothes (not numbered, col. 1, lines 21-22) is brought in contact with conveyor 62 and is moved in the same speed on the conveyor. Moisture was removed by squeezing rollers 63, 64. However, Tung et al. does not show the conveyor 62 made by absorbent material and at least two absorbent bodies on both sides of the clothing and a pressure-exerting roller for pressing the clothing against the conveyor of absorbent material. Bronander teaches a cloth treating conveyor 12 of absorbent material (page 1, lines 96-98) and at least two absorbent bodies A, B, C, D on both side of the cloth 15 same as claimed. It is inherent that the absorbent material of Bronander will absorb moisture from cloth 15. Pressure-exerting rollers 18 are also provided for pressing the cloth 15 against the conveyor 12. Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to substitute conveyor of absorbent material of Bronander for the conveyor 62 of Tung et al. and to provide the method and apparatus of Tung et al. with two absorbent bodies on both side the of the clothing and pressure-exerting rollers spaced apart from the absorbent conveyor as taught by Bronander in order to absorb moisture from clothes and provide the clothes after treatment with a uniform, finished and polished appearance free from marks, blemishes or disfigurements.

4. Claims 8-9 are rejected under 35 U.S.C. 103(a) as being unpatentable over Tung et al. (U. S. Pat. 5,953,938) in view of Bronander (U. S. Pat. 1,773,167) as applied to claim 1 as above, and further in view of Shibuya (JP8-49161).

The clothes dewatering method of Tung et al. as modified by Bronander as above includes all that is recited in claims 8-9 except for gas jet acting transversely to a surface of the item of clothing and forcing the item of clothing into contact with the absorbent body. Shibuya teaches a clothes dewatering method with gas jet 38 forcing the item of clothing 40 into contact with the conveyor and acting transversely to a surface of the clothing 40 same as claimed. Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to further modify the clothes dewatering method of Trung et al. to include steps of forcing the clothes into contact with conveyor by gas jet and subjecting the clothes to action of gas jet acting transversely to a surface of the clothes as taught by Shibuya in order to more efficiently dry the clothes.

5. Claim 11 is rejected under 35 U.S.C. 103(a) as being unpatentable over Tung et al. (U. S. Pat. 5,953,938) in view of Bronander (U. S. Pat. 1,773,167) and Shibuya (JP8-49161).

Tung et al. shows a method for cloth dewatering. The clothes (not numbered, col. 1, lines 21-22) is brought in contact with conveyor 62 and is moved in the same speed on the conveyor. Moisture was removed by squeezing rollers 63, 64. However, Tung et al. does not show the conveyor 62 made by absorbent material and gas jet acting transversely to a surface of the item of clothing. Bronander teaches a cloth treating conveyor 12 of absorbent material (page 1, lines 96-98) and at least two absorbent bodies A, B, C, D on both side of the cloth 15 same as claimed. It is inherent that the absorbent material of Bronander will absorb moisture from cloth 15.

Shibuya teaches a clothes dewatering method with gas jet 38 forcing the item of clothing 40 into contact with the conveyor and acting transversely to a surface of the clothing 40 same as claimed Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to substitute conveyor of absorbent material of Bronander for the conveyor 62 of Tung et al. in order to absorb clothes moisture and provide the clothes after treatment with a uniform, finished and polished appearance free from marks, blemishes or disfigurements and to further modify the clothes dewatering method of Trung et al. to include steps of forcing the clothes into contact with conveyor by gas jet and subjecting the clothes to action of gas jet acting transversely to a surface of the clothes as taught by Shibuya in order to more efficiently dry the clothes.

6. Claim 13 is rejected under 35 U.S.C. 103(a) as being unpatentable over Tung et al. (U. S. Pat. 5,953,938) in view of Bronander (U. S. Pat. 1,773,167) as applied to claim 12 as above, and further in view of Nelson (U. S. Pat. 5,404,848).

The clothes dewatering configuration of Tung et al. as modified by Bronander as above includes all that is recited in claim 13 except for the absorbent body is made of microfiber material. Nelson teaches a concept of using microfiber material to make absorbent body (col. 3, line 47) same as claimed. Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to further modify the clothes dewatering configuration of Trung et al. to include a absorbent body made by microfiber material as taught by Nelson in order to improve the water absorb efficiency.

7. Claim 16 is rejected under 35 U.S.C. 103(a) as being unpatentable over Bronander (U. S. Pat. 1,773,167) in view of Nelson (U. S. Pat. 5,404,848).

Bronander shows a configuration for treating cloth comprising at least one absorbent body 12, a contacting device having a pressure-exerting roller 18 spaced apart from the at least one absorbent body 12 and a transporting device 20, 10-11, 16, 17 for moving cloth 15 which are arranged same claimed. The apparatus of Bronander is capable of removing moisture from a plurality of items of clothing. However, Bronander does not disclose that the absorbent body is made of microfiber material. Nelson teaches a concept of using microfiber material to make absorbent body (col. 3, line 47) same as claimed. Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to modify the clothes treating configuration of Bronander to include a absorbent body of microfiber material as taught by Nelson in order to improve the water absorb efficiency.

8. Claims 1-7, 10, 12, 14-15 are rejected under 35 U.S.C. 103(a) as being unpatentable over Tung et al. (U. S. Pat. 5,953,938) in view of Henry et al. (U. S. Pat. 6,473,998).

Tung et al. shows a method and a configuration for cloth dewatering. The clothes (not numbered, col. 1, lines 21-22) is brought in contact with conveyor 62 and is moved in the same speed on the conveyor. Moisture was removed by squeezing rollers 63, 64. However, Tung et al. does not show the conveyor 62 made by absorbent material and at least two absorbent bodies on both sides of the clothing and a pressure-exerting roller for pressing the clothing against the conveyor of absorbent material. Henry et al. teaches a filaments dewatering conveyor 4 of absorbent material (col. 2, lines 36-37) and at least two absorbent bodies 4, 5 on both side of the filaments 3 same as claimed. It is inherent that the cloth of Henry et al. will absorb moisture from filaments 3. Pressure-exerting rollers 18 are also provided for pressing the filaments 3 against the conveyor 4. Therefore, it would have been obvious to one having ordinary skill in the art at the

time the invention was made to substitute conveyor 4 of absorbent material of Henry et al. for the conveyor 62 of Tung et al. and to provide the method and configuration of Tung et al. with two absorbent bodies on both side of the clothing and pressure-exerting rollers spaced apart from the absorbent conveyor as taught by Henry et. al. in order to facilitate the drying and therefore improve the drying efficiency.

9. Claims 8-9 are rejected under 35 U.S.C. 103(a) as being unpatentable over Tung et al. (U. S. Pat. 5,953,938) in view of Henry et al. (U. S. Pat. 6,473,998) as applied to claim 1 as above, and further in view of Shibuya (JP8-49161).

The clothes dewatering method of Tung et al. as modified by Henry et al. as above includes all that is recited in claims 8-9 except for gas jet acting transversely to a surface of the item of clothing and forcing the item of clothing into contact with the absorbent body. Shibuya teaches a clothes dewatering method with gas jet 38 forcing the item of clothing 40 into contact with the conveyor and acting transversely to a surface of the clothing 40 same as claimed. Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to further modify the clothes dewatering method of Trung et al. to include steps of forcing the clothes into contact with conveyor by gas jet and subjecting the clothes to action of gas jet acting transversely to a surface of the clothes as taught by Shibuya in order to more efficiently dry the clothes.

10. Claim 11 is rejected under 35 U.S.C. 103(a) as being unpatentable over Tung et al. (U. S. Pat. 5,953,938) in view of Henry et al. (U. S. Pat. 6,473,998) and Shibuya (JP8-49161).

Tung et al. shows a method for cloth dewatering. The clothes (not numbered, col. 1, lines

21-22) is brought in contact with conveyor 62 and is moved in the same speed on the conveyor. Moisture was removed by squeezing rollers 63, 64. However, Tung et al. does not show the conveyor 62 made by absorbent material and gas jet acting transversely to a surface of the item of clothing. Henry et al. teaches a filaments dewatering conveyor 4 of absorbent material (col. 2, lines 36-37) and at least two absorbent bodies 4, 5 on both side of the filaments 3 same as claimed. It is inherent that the cloth of Henry et al. will absorb moisture from filaments 3. Shibuya teaches a clothes dewatering method with gas jet 38 forcing the item of clothing 40 into contact with the conveyor and acting transversely to a surface of the clothing 40 same as claimed Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to substitute conveyor 4 of absorbent material of Henry et al. for the conveyor 62 of Tung et al. in order to facilitate the drying and therefore improve the drying efficiency and to further modify the clothes dewatering method of Trung et al. to include steps of forcing the clothes into contact with conveyor by gas jet and subjecting the clothes to action of gas jet acting transversely to a surface of the clothes as taught by Shibuya in order to more efficiently dry the clothes.

11. Claim 13 is rejected under 35 U.S.C. 103(a) as being unpatentable over Tung et al. (U. S. Pat. 5,953,938) in view of Henry et al. (U. S. Pat. 6,473,998) as applied to claim 12 as above, and further in view of Nelson (U. S. Pat. 5,404,848).

The clothes dewatering configuration of Tung et al. as modified by Henry et al. as above includes all that is recited in claim 13 except for the absorbent body is made of microfiber material. Nelson teaches a concept of using microfiber material to make absorbent body (col. 3, line 47) same as claimed. Therefore, it would have been obvious to one having ordinary skill in

the art at the time the invention was made to further modify the clothes dewatering configuration of Trung et al. to include a absorbent body made by microfiber material as taught by Nelson in order to improve the water absorb efficiency.

12. Claim 16 is rejected under 35 U.S.C. 103(a) as being unpatentable over Henry et al. (U. S. Pat. 6,473,998) in view of Nelson (U. S. Pat. 5,404,848).

Henry et al. shows a configuration for removing moisture from filaments 3 comprising at least one absorbent body 4, a contacting device having a pressure-exerting roller 18 spaced apart from the at least one absorbent body 4, 5 and a transporting device 4, 5 for moving filaments 3 which are arranged same claimed. The configuration of Henry et al. is capable of removing moisture from a plurality of items of clothing. However, Henry et al. does not disclose that the absorbent body is made of microfiber material. Nelson teaches a concept of using microfiber material to make absorbent body (col. 3, line 47) same as claimed. Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to modify the clothes dewatering configuration of Henry et al. to include a absorbent body of microfiber material as taught by Nelson in order to improve the water absorb efficiency.

13. Claims 1-7, 10 are rejected under 35 U.S.C. 103(a) as being unpatentable over Tung et al. (U. S. Pat. 5,953,938) in view of Eriksson (U. S. Pat. 2,817,227).

Tung et al. shows a method and a configuration for cloth dewatering. The clothes (not numbered, col. 1, lines 21-22) is brought in contact with conveyor 62 and is moved in the same speed on the conveyor. Moisture was removed by squeezing rollers 63, 64. However, Tung et al. does not show the conveyor 62 made by absorbent material and at least two absorbent bodies on both sides of the clothing. Eriksson teaches a filaments dewatering conveyor 2' of absorbent

material for absorbing water (col. 2, lines 54-60) and at least two absorbent bodies 1, 2' on both side of the filaments F same as claimed. Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to substitute conveyor of absorbent material of Eriksson for the conveyor 62 of Tung et al. and to provide the method and apparatus of Tung et al. with two absorbent bodies on both side the of the clothing as taught by Eriksson in order to facilitate the drying and therefore improve the drying efficiency.

14. Claims 8-9 are rejected under 35 U.S.C. 103(a) as being unpatentable over Tung et al. (U. S. Pat. 5,953,938) in view of Eriksson (U. S. Pat. 2,817,227) as applied to claim 1 as above, and further in view of Shibuya (JP8-49161).

The clothes dewatering method of Tung et al. as modified by Eriksson as above includes all that is recited in claims 8-9 except for gas jet acting transversely to a surface of the item of clothing and forcing the item of clothing into contact with the absorbent body. Shibuya teaches a clothes dewatering method with gas jet 38 forcing the item of clothing 40 into contact with the conveyor and acting transversely to a surface of the clothing 40 same as claimed. Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to further modify the clothes dewatering method of Trung et al. to include steps of forcing the clothes into contact with conveyor by gas jet and subjecting the clothes to action of gas jet acting transversely to a surface of the clothes as taught by Shibuya in order to more efficiently dry the clothes.

15. Claim 11 is rejected under 35 U.S.C. 103(a) as being unpatentable over Tung et al. (U. S. Pat. 5,953,938) in view of Eriksson (U. S. Pat. 2,817,227) and Shibuya (JP8-49161).

Tung et al. shows a method for cloth dewatering. The clothes (not numbered, col. 1, lines

21-22) is brought in contact with conveyor 62 and is moved in the same speed on the conveyor. Moisture was removed by squeezing rollers 63, 64. However, Tung et al. does not show the conveyor 62 made by absorbent material and gas jet acting transversely to a surface of the item of clothing. Eriksson teaches a filaments dewatering conveyor 2' of absorbent material for absorbing water (col. 2, lines 54-60) and at least two absorbent bodies 1, 2' on both side of the filaments F same as claimed. Shibuya teaches a clothes dewatering method with gas jet 38 forcing the item of clothing 40 into contact with the conveyor and acting transversely to a surface of the clothing 40 same as claimed Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to substitute conveyor 4 of absorbent material of Eriksson for the conveyor 62 of Tung et al. in order to facilitate the drying and therefore improve the drying efficiency and to further modify the clothes dewatering method of Trung et al. to include steps of forcing the clothes into contact with conveyor by gas jet and subjecting the clothes to action of gas jet acting transversely to a surface of the clothes as taught by Shibuya in order to more efficiently dry the clothes.

16. Claims 12, 14-15 are rejected under 35 U.S.C. 103(a) as being unpatentable over Tung et al. (U. S. Pat. 5,953,938) in view of Eriksson (U. S. Pat. 2,817,227) and Bronander (U. S. Pat. 1,773,167) or Henry et al. (U. S. Pat. 6,473,998).

Tung et al. shows a configuration for cloth dewatering. The clothes (not numbered, col. 1, lines 21-22) is brought in contact with conveyor 62 and is moved in the same speed on the conveyor. Moisture was removed by squeezing rollers 63, 64. However, Tung et al. does not show the conveyor 62 made by absorbent material and a pressure-exerting roller for pressing the clothing against the conveyor of absorbent material. Eriksson teaches a filaments dewatering

conveyor 2' of absorbent material for absorbing water (col. 2, lines 54-60) same as claimed. Bronander or Henry et al. teaches a concept of using a pressure-exerting roller 18 for pressing the clothing against the conveyor of absorbent material same as claimed. Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to substitute conveyor of absorbent material of Eriksson for the conveyor 62 of Tung et al. and to provide the configuration of Tung et al. with pressure-exerting roller as taught by Bronander or Henry et al. in order to improve the drying efficiency.

17. Claim 13 is rejected under 35 U.S.C. 103(a) as being unpatentable over Tung et al. (U. S. Pat. 5,953,938) in view of Eriksson (U. S. Pat. 2,817,227) and Bronander (U. S. Pat. 1,773,167) or Henry et al. (U. S. Pat. 6,473,998) as applied to claim 12 as above, and further in view of Nelson (U. S. Pat. 5,404,848).

The clothes dewatering configuration of Tung et al. as modified by Eriksson and Bronander or Henry et al. as above includes all that is recited in claim 13 except for the absorbent body is made of microfiber material. Nelson teaches a concept of using microfiber material to make absorbent body (col. 3, line 47) same as claimed. Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to further modify the clothes dewatering configuration of Trung et al. to include a absorbent body made by microfiber material as taught by Nelson in order to improve the water absorb efficiency.

18. Claim 16 is rejected under 35 U.S.C. 103(a) as being unpatentable over Eriksson (U. S. Pat. 2,817,227) in view of Nelson (U. S. Pat. 5,404,848) and Bronander (U. S. Pat. 1,773,167) or Henry et al. (U. S. Pat. 6,473,998).

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Eriksson shows a configuration for removing moisture from filaments F comprising at least one absorbent body 2' for absorb small quantity of water (col. 2, lines 54-60), and a transporting device 1-9 for moving filaments F which are arranged same claimed. The configuration of Eriksson is capable of removing moisture from a plurality of items of clothing. However, Eriksson does not disclose that the absorbent body is made of microfiber material and a pressure-exerting roller for pressing the clothing against the conveyor of absorbent material. Nelson teaches a concept of using microfiber material to make absorbent body (col. 3, line 47) same as claimed. Bronander or Henry et al. teaches a concept of using a pressure-exerting roller 18 for pressing the clothing against the conveyor of absorbent material same as claimed. Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to modify the clothes dewatering configuration of Eriksson to include a absorbent body of microfiber material as taught by Nelson and to provide the configuration of Eriksson with pressure-exerting roller as taught by Bronander or Henry et al. in order to improve the drying efficiency.

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## Response to Arguments

19. Applicant's arguments with respect to claims have been considered but are moot in view of the new ground(s) of rejection.

## Conclusion

20. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jiping Lu whose telephone number is 571 272 4878. The examiner can normally be reached on Monday-Friday, 9:00 AM - 5:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, COCKS JOSIAH can be reached on 571 272-4874. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <a href="http://pair-direct.uspto.gov">http://pair-direct.uspto.gov</a>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Primary Examiner Art Unit 3749